

Robotics

Hello Twindly Parents and Students,

This is a course for students in the homeschool setting. Students that attend all lessons will have achieved the required 80 hours of coursework for completion of this class.

District CTE Course Description

The Robotics course teaches 9th through 12th grade students the science/technology/engineering process using mechanisms, machines, and robotic systems. Students' progress at their own pace while studying and performing tasks independently and in small groups. Hands-on activities supplemented with demonstrations, mentorship, and study tips familiarize students with the concepts and application of robotic technologies. Performing laboratory experiments, students will gain firsthand knowledge of simple machines, fabrication, and logic systems. Students will learn how to program complex robotic systems to perform a variety of interesting and useful tasks.

ATTITUDE AND BEHAVIOR

You are expected to act like a competent and a responsible student in my class. Failure to maintain self-discipline and good study habits will result in your immediate drop from the course. I expect you to be active participant in the class and the learning process. Do not do anything in my class that would detract from the learning atmosphere of the classroom. General class etiquette must be observed during class time. This includes being respectful and courteous to the instructor and fellow students, and actively participating. In your communications with fellow students and the instructor, exhibition of the following is prohibited: anger, sarcasm, and swearing. Any derogatory or racial comments, sexual innuendos or harassment, threats of violence or retaliation will result in a trip to the principal

YOUR RIGHTS

In this class you have the right to:

- 1 A safe learning environment.
- 1 Report any and all problems or concerns to the teacher without feeling intimidated or afraid that your grade or class standing will suffer.
- 2 Receive a meaningful and useful education. This means that the teacher will be well prepared, have a variety of learning activities available, and will not waste your time and energy by giving you meaningless "busywork".
- 3 Have a learning environment that is free of drugs and alcohol.
- 4 Get all the help you need from the teacher in order to learn the subject matter. Do not be afraid to ask the teacher for help at any time.
- 5 Make good choices and to express your own thoughts and ideas.
- 6 Be yourself and to have fun while learning.

Attendance-Please be on time and come to class.

Students who do not show up with work completed, late or miss classes will affect the learning of the other students.

If you miss more than 2 classes or are consistently tardy you may be asked to leave the class. If you have an emergency, please contact the teacher for accommodations. This includes I had to wait in line for my coffee. You are expected to be in your seat when class is set to start. The knowledge in this class is made to build on. Missing classes leaves holes which is your responsibility to fill not the teachers.

Learning activities for course

1. Programming and design activities

Students will be required to come to class to complete in-class programming and design lessons and activities. These activities will consist of some individual work but a majority will be completed in small groups. Throughout the course of this class, students will be required to maintain an Engineering Notebook that will contain reflections for the day’s work, along with brainstorming thoughts and ideas for the in-class activities.

Grading for the course

Grading of the activities in this course will be based on effort. Completion of the activity gets them 100%.

The parent teacher will provide works samples and the student’s Engineering Notebook during the semester grade conference. The parent teacher and teacher advisor will then determine a final grade for the course.

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Date_____

I, _____ the parent of _____, agree to support my student in following class expectations in behavior, grading, and attendance policies.

Student’s Signature

Date_____

I, _____ agree to follow the class expectations and policies.